

# Claims

[c1]

1. A method for creating a process library comprising:
  - A. getting a process type;
  - B. creating one or more processes in a process library and assigning said process type to said one or more processes;
  - C. getting one or more tasks for said process;
  - D. assigning values to said one or more tasks; and
  - E. attaching said one or more tasks to said one or more processes.

[c2]

2. A method for creating a process library as recited in claim 1, wherein said process library is stored in a database.

[c3]

3. A method for creating a process library as recited in claim 2 wherein said database is a database selected from the group consisting of a relational database, an object database, a directory service, a file system, an XML structure, a web-service and an SQL database.

[c4]

4. A method for creating a process library as recited in claim 1 wherein assigning values to said one or more tasks is based on a best guess analysis.

[c5]

5. A method for creating a process library as recited in claim 1 wherein assigning values to said one or more tasks is based on one or more users input.

[c6]

6. A method for creating a process library as recited in claim 1 wherein said one or more processes are created programmatically.

[c7]

7. A method for creating a process library as recited in claim 1 wherein said process library resides on a network.

[c8]

8. A method for creating a process library as recited in claim 1 wherein said one or more processes are combined to create a compound process.

[c9]

9. A method for creating a project which uses a process from a process library comprising:

A. creating a project;

B. getting a list of one or more process from a process library;

C. creating an instance of said one or more process; and

D. adding said one or more processes to said project.

[c10]

10. A method for creating a project which uses a process from a process library as recited in claim 9 wherein said project is combined with one or more second projects to create a compound project.

[c11]

11. A method for dynamically updating a process in a process library comprising:

A. determining changes made to a process;

B. running a statistical analysis on said changes;

C. creating statistical information by taking information from said process and information from said statistical analysis;

D. creating a new version of said process using said statistical information.

[c12]

12. A method for dynamically updating a process in a process library as recited in claim 11, wherein said statistical analysis is a statistical analysis selected from the group

consisting of a regression, re-averaging, chi-square, T-test, log transformation, smoothing, efficiency, min/max, median, and mode.

[c13]

13. A method for dynamically updating a process in a process library as recited in claim 11, where determining changes is based on a condition selected from the group consisting of a periodic update, a user requested update, and an end of project update.

[c14]

14. A system for dynamically updating processes in a process library comprising:

A. a project;

B. one or more processes stored in a process library;

C. wherein said project is created using said one or more processes;

D. wherein changes are made in said one or more process; and

E. wherein a new version of said process is created by doing a statistical analysis of changes to said one or more processes and existing data in said process and wherein

said new version of said one or more processes is updated with information from said statistical analysis.

[c15]

15. A system for dynamically updating processes in a process library as recited in claim 14, wherein said process library is stored a database.

[c16]

16. A system for dynamically updating processes in a process library as recited in claim 15 wherein said database is a database selected from the group consisting of a relational database, an object database, a directory service, a file system, an XML structure, a web-service and an SQL database.

[c17]

17. A system for dynamically updating processes in a process library as recited in claim 14 wherein said one or more processes are created programmatically.

[c18]

18. A system for dynamically updating processes in a process library as recited in claim 14 wherein said process library resides on a network.

[c19]

19. A system for dynamically updating processes in a process library as recited in claim  
14 wherein said one or more processes are combined to create a compound process.

[c20]

20. A system for dynamically updating processes in a process library as recited in claim  
14 wherein said one or more processes are created from one or more tasks.

[c21]

21. A system for dynamically updating processes in a process library as recited in claim  
20 wherein assigning values to said one or more tasks is based on a best guess analysis.

[c22]

22. A system for dynamically updating processes in a process library as recited in claim  
20 wherein assigning values to said one or more tasks is based one or more users input.

[c23]

23. A system for creating a project which uses a process library comprising:

- A. a project;
- B. one or more process in a process library;
- C. wherein an instance of said one or more process are created in said process library;  
and
- D. wherein said one or more processes are added to said project.

[c24]

24. A system for creating a process library as recited in claim 23 wherein said project is combined with one or more second projects to create a compound project.

[c25]

25. A system for dynamically updating processes in a process library comprising:

- A. one or more processes;
- B. a process library which further comprises said one or more processes;

C. wherein a statistical analysis is made on said one or more processes based on changes to said one or more processes; and

D. wherein a new version of said one or more processes is created based on said statistical analysis.

[c26]

26. A system for dynamically updating processes in a process library as recited in claim 25, wherein said statistical analysis is a statistical analysis selected from the group consisting of a regression, re-averaging, chi-square, T-test, log transformation, smoothing, efficiency, min/max, median, and mode.

[c27]

27. A system for dynamically updating processes in a process library as recited in claim 25, where determining changes is based on a condition selected from the group consisting of a periodic update, a user requested update, and an end of project update.